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(54) IMMUNOLOGICAL QUANTIFYING METHOD FOR  
NEUTROPHILIC COLLAGENASE

(57) Abstract:

**PURPOSE:** To quickly quantify neutrophilic collagenase (MMP-8) with high sensitivity and high accuracy by using multiple monoclonal antibodies peculiarly bonded to practically different regions of MMP-8 as a measuring reagent.

**CONSTITUTION:** At least two monoclonal antibodies selected from a group of a monoclonal antibody peculiarly recognizing the latent type of MMP-8, a monoclonal antibody peculiarly recognizing the center region of MMP-8, and a monoclonal antibody peculiarly

recognizing the carboxyl terminal region or the amino terminal region of MMP-8 and having peculiarities in practically different regions are combined, and the latent type and active type of MMP-8 are immunologically quantified. At the time of measurement, one of two monoclonal antibodies is detectably marked, and the other antibody capable of recognizing the same antigen is fixed to the solid phase, for example. A specimen, the marked antibody, and the solid-phase antibody are reacted in sequence via incubation as required, and a marker material is measured after the unbonded antibody is separated.

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